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Licking County Recorder

FINAL

FLOOD DAMAGE PREVENTION REGULATIONS

FOR

LICKING COUNTY, OHIO



ADOPTED: July 12, 2012

EFFECTIVE: August 12, 2012

LICKING COUNTY PLANNING COMMISSION
20 South Second Street, Newark, OH 43055

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**SPECIAL PURPOSE
FLOOD DAMAGE PREVENTION REGULATIONS
LICKING COUNTY, OHIO**

SECTION 1.0: GENERAL PROVISIONS

1.1 Statutory Authorization

This resolution is adopted pursuant to authorization contained in Sections 307.37 and 307.85 of the Ohio Revised Code. This resolution adopts regulations for areas of special flood hazard that are necessary for participation in the National Flood Insurance Program. Therefore, the Licking County Commissioners, State of Ohio does ordain as follows:

1.2 Findings of Fact

The Licking County has special flood hazard areas that are subject to periodic inundation which may result in loss of life and property, health and safety hazards, disruption of commerce and governmental services, extraordinary public expenditures for flood protection and relief, and impairment of the tax base. Additionally, structures that are inadequately elevated, flood proofed, or otherwise protected from flood damage also contribute to the flood loss. In order to minimize the threat of such damages and to achieve the purposes hereinafter set forth, these regulations are adopted.

1.3 Statement of Purpose

It is the purpose of these regulations to promote the public health, safety and general welfare, and to:

- A. Protect human life and health;
- B. Minimize expenditure of public money for costly flood control projects;
- C. Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- D. Minimize prolonged business interruptions;
- E. Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in areas of special flood hazard;
- F. Help maintain a stable tax base by providing for the proper use and development of areas of special flood hazard so as to protect property and minimize future flood blight areas;
- G. Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions;
- H. Minimize the impact of development on adjacent properties within and near flood prone areas;
- I. Ensure that the flood storage and conveyance functions of the floodplain are maintained;

- J. Minimize the impact of development on the natural, beneficial values of the floodplain;
- K. Prevent floodplain uses that are either hazardous or environmentally incompatible; and
- L. Meet community participation requirements of the National Flood Insurance Program.

1.4 Methods of Reducing Flood Loss

In order to accomplish its purposes, these regulations include methods and provisions for:

- A. Restricting or prohibiting uses which are dangerous to health, safety, and property due to water hazards, or which result in damaging increases in flood heights or velocities;
- B. Requiring that uses vulnerable to floods, including facilities, which serve such uses, be protected against flood damage at the time of initial construction;
- C. Controlling the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel flood waters;
- D. Controlling filling, grading, dredging, excavating, and other development which may increase flood damage; and,
- E. Preventing or regulating the construction of flood barriers, which will unnaturally divert flood, waters or which may increase flood hazards in other areas.

1.5 Lands to Which These Regulations Apply

These regulations shall apply to all areas of special flood hazard within the jurisdiction of Licking County as identified in Section 1.6, including any additional areas of special flood hazard annexed by Licking County.

1.6 Basis for Establishing the Areas of Special Flood Hazard

For the purposes of these regulations, the following studies and / or maps are adopted:

- A. *Flood Insurance Study Licking County, Ohio and Incorporated Areas* and *Flood Insurance Rate Map Licking County, Ohio and Incorporated Areas* both effective May 2, 2007.
- B. Other studies and / or maps, which may be relied upon for establishment of the flood protection elevation, delineation of the 100-year floodplain, floodways or delineation of other areas of special flood hazard.
- C. Any hydrologic and hydraulic engineering analysis authored by a registered Professional Engineer in the State of Ohio which has been approved by the Licking County as required by Section 4.3 Subdivisions and Major Developments.

Any revisions to the aforementioned maps and / or studies are hereby adopted by reference and declared to be a part of these regulations. Such maps and/or studies are

on file in the Licking County Planning Commission Office at 20 South Second Street Newark, Ohio.

- D. In addition, these regulations shall apply to Future Condition Flood Hazard Areas determined through FEMA approved certified engineering analysis. Future Conditions Flood Hazard Areas may be determined in the FIRM and FIS, or per Section 4.3 of these regulations.

1.7 Abrogation and Greater Restrictions

These regulations are not intended to repeal any existing ordinances including subdivision regulations, zoning or building codes. In the event of a conflict between these regulations and any other ordinance, the more restrictive shall be followed. These regulations shall not impair any deed restriction covenant or easement but the land subject to such interests shall also be governed by the regulations.

1.8 Interpretation

In the interpretation and application of these regulations, all provisions shall be:

- A. Considered as minimum requirements;
 - B. Liberally construed in favor of the governing body; and,
 - C. Deemed neither to limit nor repeal any other powers granted under state statutes.
- Where a provision of these regulations may be in conflict with a state or Federal law, such state or Federal law shall take precedence over these regulations.

1.9 Warning and Disclaimer of Liability

The degree of flood protection required by these regulations is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger floods can and will occur on rare occasions. Flood heights may be increased by man-made or natural causes. These regulations do not imply that land outside the areas of special flood hazard or uses permitted within such areas will be free from flooding or flood damage. These regulations shall not create liability on the part of the Licking County, any officer or employee thereof, or the Federal Emergency Management Agency, for any flood damage that results from reliance on these regulations or any administrative decision lawfully made there under.

1.10 Severability

Should any section or provision of these regulations be declared by the courts to be unconstitutional or invalid, such decision shall not affect the validity of the regulations as a whole, or any part thereof other than the part so declared to be unconstitutional or invalid.

SECTION 2.0: DEFINITIONS

Unless specifically defined below, words or phrases used in these regulations shall be interpreted so as to give them the meaning they have in common usage and to give these regulations the most reasonable application.

Accessory Structure

A structure on the same lot with, and of a nature customarily incidental and subordinate to, the principal structure.

Appeal

A request for review of the floodplain administrator's interpretation of any provision of these regulations or a request for a variance.

Base Flood

The flood having a one percent chance of being equaled or exceeded in any given year. The base flood may also be referred to as the 1% chance annual flood or one-hundred (100) year flood.

Base (100-Year) Flood Elevation (BFE)

The water surface elevation of the base flood in relation to a specified datum, usually the National Geodetic Vertical Datum of 1929 or the North American Vertical Datum of 1988, and usually expressed in Feet Mean Sea Level (MSL). In Zone AO areas, the base flood elevation is the natural grade elevation plus the depth number (from 1 to 3 feet).

Basement

Any area of the building having its floor sub-grade (below ground level) on all sides.

Best Available Data

Any data provided by a federal or state agency or Professional Engineer registered in the State of Ohio in accordance with FEMA approved certified engineering analysis. Base flood elevations and floodway boundaries produced on FEMA flood maps and studies shall take precedence over base flood elevations and floodway boundaries by any other source that reflect a reduced floodway and or lower base flood elevation. Other sources of data showing increased base flood elevations and or larger floodway areas than are shown on FEMA flood maps and studies, shall be reasonably utilized by the Floodplain Administrator.

Clearing

The act or process of removing natural vegetation such as trees, shrubs, or brush to alter the current land use or for other development purposes.

Community Rating System (CRS)

A program established by the Federal Insurance Administration. The CRS rewards those communities that are doing more than the minimum National Flood Insurance Program (NFIP) requirements to help their residents prevent or reduce flood losses. The system should also provide an incentive for communities to initiate new flood protection activities.

Community

For the purpose of these regulations “community” shall mean all unincorporated portions of Licking County, Ohio.

Conservation Best Management Practices

Conservation practices or systems of practices and management measures, including structural and nonstructural methods, developed through experience and research and using knowledge and technology, which control soil loss and reduce water quality degradation from sediment or nutrients, minimize adverse impacts to surface water and ground water, and maintain the integrity of the floodplain during land disturbing activities, such as excavation, filling, or construction.

Crawl Space

An unfinished space beneath the first floor (not sub grade) especially for access to plumbing, wiring, duct work, etc.

CRS Coordinator

A local official appointed by the Board of County Commissioners or their designee, to coordinate the community's CRS application and verification.

Development

Any manmade change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavation or drilling operations or storage of equipment or materials.

Enclosure Below the Lowest Floor

See “Lowest Floor.”

Executive Order 11988 (Floodplain Management)

Issued by President Carter in 1977, this order requires that no federally assisted activities be conducted in or have the potential to affect identified special flood hazard areas, unless there is no practicable alternative.

Federal Emergency Management Agency (FEMA)

The agency with the overall responsibility for administering the National Flood Insurance Program.

Fill

A deposit of earth material placed by artificial means.

Flood or Flooding

A general and temporary condition of partial or complete inundation of normally dry land areas from:

1. The overflow of inland or tidal waters, and/or
2. The unusual and rapid accumulation or runoff of surface waters from any source.

Flood Hazard Boundary Map (FHBM)

Usually the initial map, produced by the Federal Emergency Management Agency, or U.S. Department of Housing and Urban Development, for a community depicting approximate special flood hazard areas.

Flood Insurance Rate Map (FIRM)

An official map on which the Federal Emergency Management Agency or the U.S. Department of Housing and Urban Development has delineated the areas of special flood hazard.

Flood Insurance Risk Zones

Zone designations on FHBMs and FIRMs that indicate the magnitude of the flood hazard in specific areas of a community. Following are the zone definitions:

Zone A:

Special flood hazard areas inundated by the 100-year flood; base flood elevations are not determined.

Zones A1-30 and Zone AE:

Special flood hazard areas inundated by the 100-year flood; base flood elevations are determined.

Zone AO:

Special flood hazard areas inundated by the 100-year flood; with flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths are determined.

Zone AH:

Special flood hazard areas inundated by the 100-year flood; flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations are determined.

Zone A99:

Special flood hazard areas inundated by the 100-year flood to be protected from the 100-year flood by a Federal flood protection system under construction; no base flood elevations are determined.

Zone B and Zone X (shaded):

Areas of 500-year flood; areas subject to the 100-year flood with average depths of less than 1 foot or with contributing drainage area less than 1 square mile; and areas protected by levees from the base flood.

Zone C and Zone X (unshaded):

Areas determined to be outside the 500-year floodplain.

Zone X (shaded) Future Conditions:

The flood risk zone that corresponds to the 1-percent annual chance floodplains that are determined based on future conditions hydrology. No BFEs or base flood depths are shown within this zone.

Flood Insurance Study (FIS)

The official report in which the Federal Emergency Management Agency or the U.S. Department of Housing and Urban Development has provided flood profiles, floodway boundaries (sometimes shown on Flood Boundary and Floodway Maps), and the water surface elevations of the base flood.

Flood Protection Elevation

The Flood Protection Elevation, or FPE, is the base flood elevation plus two [2] feet of freeboard. In areas where no base flood elevations exist from any authoritative source, the flood protection elevation can be historical flood elevations, or base flood elevations determined and/or approved by the floodplain administrator.

Floodway

A floodway is the channel of a river or other watercourse and the adjacent land areas that have been reserved in order to pass the base flood discharge. A floodway is typically determined through a hydraulic and hydrologic engineering analysis such that the cumulative increase in the water surface elevation of the base flood discharge is no more than a designated height. From May 2, 2007 forward, newly delineated floodways shall be based on a designated increase in flood heights of no more than 0.01 foot at any point within the community. In no case shall the designated height be more than one foot at any point within the community.

The floodway is an extremely hazardous area, and is usually characterized by any of the following: Moderate to high velocity flood waters, high potential for debris and projectile impacts, and moderate to high erosion forces.

Flood Fringe

The portion of the floodplain, which lies on either side of the floodway.

Freeboard

A factor of safety usually expressed in feet above a flood level for the purposes of floodplain management. Freeboard tends to compensate for the many unknown factors that could contribute to flood heights greater than the height calculated for a selected size flood and floodway conditions, such as wave action, obstructed bridge openings, debris and ice jams, and the hydrologic effect of urbanization in a watershed.

Future Conditions Flood Hazard Area, or Future Conditions Floodplain

The land area that would be inundated by the one percent annual chance flood based on future conditions hydrology.

Future Conditions Hydrology

The flood discharges associated with the projected land use conditions based on a community zoning map or comprehensive land use plans.

Grading

To level off to a smooth horizontal or sloping surface.

Historic structure

Any structure that is:

1. Listed individually in the National Register of Historic Places (a listing maintained by the U.S. Department of Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listings on the National Register;

2. Certified or preliminarily determined by the Secretary of the Interior as contributing to the historical significance of a registered historic district or a district preliminarily determined by the Secretary to qualify as a registered historic district; or
3. Individually listed on the State of Ohio's inventory of historic places maintained by the Ohio Historic Preservation Office.
4. Individually listed on the inventory of historic places maintained by Licking County's historic preservation program, which program is certified by the Ohio Historic Preservation Office.

Hydrologic and hydraulic engineering analysis

An analysis performed by a professional engineer, registered in the State of Ohio, in accordance with standard engineering practices as accepted by FEMA, used to determine flood elevations and/or floodway boundaries.

Letter of Map Change (LOMC)

A Letter of Map Change is an official FEMA determination, by letter, to amend or revise effective Flood Insurance Rate Maps, Flood Boundary and Floodway Maps, and Flood Insurance Studies. LOMCs are broken down into the following categories:

Letter of Map Amendment (LOMA)

A revision based on technical data showing that a property was incorrectly included in a designated special flood hazard area. A LOMA amends the current effective Flood Insurance Rate Map and establishes that a specific property is not located in a special flood hazard area.

Letter of Map Revision (LOMR)

A revision based on technical data that, usually due to manmade changes, shows changes to flood zones, flood elevations, floodplain and floodway delineations, and planimetric features. One common type of LOMR, a LOMR-F, is a determination concerning whether a structure or parcel has been elevated by fill above the base flood elevation and is, therefore, excluded from the special flood hazard area.

Conditional Letter of Map Revision (CLOMR)

A formal review and comment by FEMA as to whether a proposed project complies with the minimum National Flood Insurance Program floodplain management criteria. A CLOMR does not amend or revise effective Flood Insurance Rate Maps, Flood Boundary and Floodway Maps, or Flood Insurance Studies.

Lowest floor

The lowest floor of the lowest enclosed area (including basement) of a structure. This definition excludes an "enclosure below the lowest floor" which is an unfinished or flood resistant enclosure usable solely for parking of vehicles, building access or storage, in an area other than a basement area, provided that such enclosure is built in accordance with the applicable design requirements specified in these regulations for enclosures below the lowest floor.

Lowest Horizontal Structural Member

The bottom of the lowest horizontal beam or unit of framing supporting the flooring unit of a home built on a crawl space foundation or structure supported by piers or columns.

Major Development

Development occurring on one or more existing lots that involves the opening, widening, or extension of any easement of access or driveway, and/or will increase the traffic flow to and from the site onto a public roadway, and/or will increase the impermeable surface area of the site by more than twenty percent (20%) of the total lot area.

Manufactured home

A structure, transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a permanent foundation when connected to the required utilities. The term "manufactured home" does not include a "recreational vehicle". For the purposes of these regulations, a manufactured home includes manufactured homes and mobile homes as defined in Chapter 3733 of the Ohio Revised Code.

Manufactured home park

As specified in the Ohio Administrative Code 3701-27-01, a manufactured home park means any tract of land upon which three or more manufactured homes, used for habitation are parked, either free of charge or for revenue purposes, and includes any roadway, building, structure, vehicle, or enclosure used or intended for use as part of the facilities of the park. A tract of land that is subdivided and the individual lots are not for rent or rented, but are for sale or sold for the purpose of installation of manufactured homes on the lots, is not a manufactured home park, even though three or more manufactured homes are parked thereon, if the roadways are dedicated to the local government authority.

National Flood Insurance Program (NFIP)

The NFIP is a Federal program enabling property owners in participating communities to purchase insurance protection against losses from flooding. This insurance is designed to provide an insurance alternative to disaster assistance to meet the escalating costs of repairing damage to buildings and their contents caused by floods. Participation in the NFIP is based on an agreement between local communities and the Federal government that states if a community will adopt and enforce floodplain management regulations to reduce future flood risks to all development in special flood hazard areas, the Federal government will make flood insurance available within the community as a financial protection against flood loss.

New construction

Structures for which the "start of construction" commenced on or after the initial effective date of the Licking County Flood Insurance Rate Map, December 1, 1983, and includes any subsequent improvements to such structures.

Paving

The act or result of applying cement, concrete, asphalt, paving blocks, or similar materials to any ground surface in such a manner as to present a uniform surface over an area.

Person

Includes any individual or group of individuals, corporation, partnership, association, or any other entity, including state and local governments and agencies. An agency is further defined in the Ohio Revised Code Section 111.15 as any governmental entity of the state and includes, but is not limited to, any board, department, division, commission, bureau, society, council, institution, state college or university, community college district, technical college district, or state community college. "Agency" does not include the general assembly, the controlling board, the adjutant general's department, or any court.

Recreational vehicle

A vehicle which is (1) built on a single chassis, (2) 400 square feet or less when measured at the largest horizontal projection, (3) designed to be self-propelled or permanently towable by a light duty truck, and (4) designed primarily not for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.

Registered Professional Architect

A person registered to engage in the practice of architecture under the provisions of sections 4703.01 to 4703.19 of the Revised Code.

Registered Professional Engineer

A person registered as a professional engineer under Chapter 4733 of the Revised Code.

Registered Professional Surveyor

A person registered as a professional surveyor under Chapter 4733 of the Revised Code.

Riparian Corridor

The area between a stream or other body of water and the adjacent upland, where frequent flooding is likely to occur, and which is integral to maintaining the natural quality of the water body.

Special Flood Hazard Area

Also known as "Areas of Special Flood Hazard", it is the land in the floodplain subject to a one percent or greater chance of flooding in any given year. Special flood hazard areas are designated by the Federal Emergency Management Agency on Flood Insurance Rate Maps, Flood Insurance Studies, Flood Boundary and Floodway Maps and Flood Hazard Boundary Maps as Zones A, AE, AH, AO, A1-30, and A99. Special flood hazard areas may also refer to areas that are flood prone and designated from other federal state or local sources of data including but not limited to historical flood information reflecting high water marks, previous flood inundation areas, and flood prone soils associated with a watercourse. SFHA that has been delineated through FEMA approved engineering practices in accordance with Section 4.3 Subdivisions and Major Developments, shall also be considered SFHA.

Start of construction

The date the building permit was issued, provided the actual start of construction, repair, reconstruction, rehabilitation, addition, placement, or other improvement was within 180 days of the permit date. The actual start means either the first placement of permanent construction of a structure on a site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a

manufactured home on a foundation. Permanent construction does not include land preparation, such as clearing, grading, and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers, or foundations or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or not part of the main structure. For a substantial improvement, the actual start of construction means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not that alteration affects the external dimensions of a building.

Streambank Buffer

The area located on each side of the watercourse that has a zone of no disturbance from the top of the stream bank, which shall be maintained in its natural or scenic condition, and an additional zone with no impervious surfaces, which shall provide water quality protection and flood buffering. (See Section 4.10).

Structure

A walled and roofed building, manufactured home, or gas or liquid storage tank that is principally above ground.

Subdivision

1. The division of any parcel of land shown as a unit or as contiguous units on the last preceding general tax list and duplicate of real and public utility property, into two or more parcels, sites, or lots any one which is less than twenty acres for the purpose, whether immediate or future, of transfer of ownership, provided, however, that the division or partition of land into parcels of more than twenty acres not involving any new street or easements of access, and the sale or exchange of parcels between adjoining lot owners, where that sale or exchange does not create additional building sites, shall be exempted.
2. The improvement of one or more parcels of land for residential, commercial, or industrial structures or groups of structures involving the division or allocation of land for the opening, widening, or extension of any public or private street or streets except private streets serving industrial structures; or involving the division or allocation of land as open spaces for common use by owner, occupants, or leaseholders, or as easements for the extension and maintenance of public or private sewers, water, storm drainage, or other similar facilities.

Substantial Damage

Damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

Substantial Improvement

Any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the "start of construction" of the improvement. This term includes structures, which have incurred

"substantial damage", regardless of the actual repair work performed. The term does not, however, include:

1. Any improvement to a structure that is considered "new construction,"
2. Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified prior to the application for a development permit by the local code enforcement official and which are the minimum necessary to assure safe living conditions; or
3. Any alteration of a "historic structure," provided that the alteration would not preclude the structure's continued designation as a "historic structure".

Variance

A grant of relief from the standards of these regulations consistent with the variance conditions herein.

Violation

The failure of a structure or other development to be fully compliant with these regulations.

SECTION 3.0: ADMINISTRATION

3.1 Designation of the Floodplain Administrator

The Director or designee of the Licking County Planning Commission is hereby appointed to administer and implement these regulations and is referred to herein as the Floodplain Administrator.

3.2 Duties and Responsibilities of the Floodplain Administrator

The duties and responsibilities of the Floodplain Administrator shall include but are not limited to:

- A. Evaluate applications for permits to develop in special flood hazard areas.
- B. Interpret floodplain boundaries and provide flood hazard and flood protection elevation information.
- C. Issue permits to develop in special flood hazard areas when the provisions of these regulations have been met, or refuse to issue the same in the event of noncompliance.
- D. Inspect buildings and lands to determine whether any violations of these regulations have been committed.
- E. Make and permanently keep all records for public inspection necessary for the administration of these regulations including Flood Insurance Rate Maps, Letters of Map Amendment and Revision, records of issuance and denial of permits to develop in special flood hazard areas, determinations of whether development is in or out of special flood hazard areas for the purpose of issuing floodplain development permits, elevation certificates, variances, and records of enforcement actions taken for violations of these regulations.
- F. Enforce the provisions of these regulations.
- G. Provide information, testimony, or other evidence as needed during variance hearings.
- H. Coordinate map maintenance activities and FEMA follow-up.
- I. Conduct substantial damage determinations to determine whether existing structures, damaged from any source and in special flood hazard areas identified by FEMA, must meet the development standards of these regulations.

3.3 Floodplain Development Permits

It shall be unlawful for any person to begin construction or other development activity including but not limited to filling; grading; construction; alteration, remodeling, or expanding any structure; or alteration of any watercourse wholly within, partially within or in contact with any identified special flood hazard area, as established in Section 1.6, until a floodplain development permit is obtained from the Floodplain Administrator. Such floodplain development permit shall show that the proposed development activity is in conformity with the provisions of these regulations. No such permit shall be issued by the Floodplain Administrator until the requirements of these regulations have been met.

3.4 Application Required

A valid development permit, *Request for Permit to Develop in an Identified Flood Hazard Area*, shall be obtained before construction or development begins located wholly within, partially within, or in contact with any area of special flood hazard established in Section 1.6, Basis for Establishing Areas of Special Flood Hazard. Such application shall be made by the owner of the property or his/her authorized agent, herein referred to as the applicant, prior to the actual commencement of such construction on a form furnished for that purpose. Application for a Development Permit shall be made on forms furnished by the Floodplain Administrator and may include, but are not limited to: plans in duplicate drawn to scale showing the nature, location, lot dimensions, floodplain and floodway boundaries if present, stream bank buffer area, existing or proposed structures, location of benchmark on site and elevations of the area in question, existing or proposed structures, fill, storage of materials, drainage facilities, and the location of the foregoing. Where it is unclear whether a development site is in a special flood hazard area, the Floodplain Administrator may require an application for a floodplain development permit to determine the development's location. Specifically, the following information is required:

- A. Elevation in relation to mean sea level of the bottom of the lowest proposed horizontal structural member supporting the floor of a structure or the bottom of the lowest horizontal structural member supporting the floor of the manufactured home placed on a permanent foundation, or the top of the lowest floor including basement, of all proposed structures.
- B. Elevation in relation to mean sea level to which any proposed structure will be flood proofed.
- C. Certification by a registered professional engineer or architect that the flood proofing methods for any nonresidential structure meet the flood proofing criteria in Section 4.5(B).
- D. Description of the extent to which any watercourse or riparian corridor is proposed to be altered or relocated as a result of proposed development (this may require approval by the Army Corps of Engineers), and certification by a Professional Engineer that flood storage and conveyance of flood carrying capacity will not be diminished.
- E. Certification by a registered professional engineer, architect, or surveyor of the as-built lowest floor of the structure.
- F. Technical analyses conducted by the appropriate design professional registered in the State of Ohio and submitted with an application for a floodplain development permit when applicable:
 - 1. Floodproofing certification for non-residential floodproofed structure as required in Section 4.5.
 - 2. Certification that fully enclosed areas below the lowest floor of a structure not meeting the design requirements of Section 4.4(E) are designed to automatically equalize hydrostatic flood forces.
 - 3. Description of any watercourse alteration or relocation that the flood carrying capacity of the watercourse will not be diminished, and maintenance assurances as required in Section 4.9(C).

4. A hydrologic and hydraulic analysis demonstrating that the cumulative effect of proposed development, when combined with all other existing and anticipated development will not increase the water surface elevation of the base flood by more than 0.01 feet in special flood hazard areas where the Federal Emergency Management Agency has provided base flood elevations but no floodway as required by Section 4.9(B).
 5. A hydrologic and hydraulic engineering analysis showing impact of any development on flood heights in an identified floodway as required by Section 4.9(A).
 6. Generation of base flood elevation(s) for subdivision and major developments as required by Section 4.3.
 7. Generation of base flood elevations and floodways where they cannot be determined through other sources as required by Section 4.9(D).
- G. A floodplain development permit application fee set by the schedule of fees shall be required.

3.5 Review and Approval of a Floodplain Development Permit Application

A. Review

1. After receipt of a complete application, the Floodplain Administrator shall review the application to ensure that the standards of these regulations have been met. No floodplain development permit application shall be reviewed until all information required in Section 3.4 has been received by the Floodplain Administrator.
2. The Floodplain Administrator shall review all floodplain development permit applications to assure that all necessary permits have been received from those federal, state or local governmental agencies from which prior approval is required. The applicant shall be responsible for obtaining such permits as required including permits issued by the U.S. Army Corps of Engineers under Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act, and the Ohio Environmental Protection Agency under Section 401 of the Clean Water Act.

B. Approval

Within thirty (30) days after the receipt of a complete application, the Floodplain Administrator shall either approve or disapprove the application. If an application is approved, a floodplain development permit shall be issued. All floodplain development permits shall be conditional upon the commencement of work within one (1) year. A floodplain development permit shall expire one (1) year after issuance unless the permitted activity has been substantially begun and is thereafter pursued to completion.

3.6 Inspections

The Floodplain Administrator shall make periodic inspections at appropriate times throughout the period of construction in order to monitor compliance with permit conditions.

3.7 Post-Construction Certifications Required

The following as-built certifications are required after a floodplain development permit has been issued:

- A. For new or substantially improved residential structures, or nonresidential structures that have been elevated, the applicant shall have a *Federal Emergency Management Agency Elevation Certificate* completed by a registered surveyor to record as-built elevation data. For elevated structures in Zone A and Zone AO areas without a base flood elevation, the elevation certificate may be completed by the property owner or owner's representative.
- B. For all development activities subject to the standards of Section 3.10(A), a Letter of Map Revision.

3.8 Revoking a Floodplain Development Permit

A floodplain development permit shall be revocable, if among other things, the actual development activity does not conform to the terms of the application and permit granted thereon. In the event of the revocation of a permit, an appeal may be taken to the Appeals Board in accordance with Section 5 of these regulations.

3.9 Exemption from Filing a Development Permit

Exemption of a project from these regulations can only be determined by the Floodplain Administrator upon satisfaction of one of the following conditions. An application for a floodplain development permit shall not be required for:

- A. Maintenance work such as roofing, painting, and basement sealing, or for small nonstructural development activities (except for filling and grading) valued at less than \$1,000.
- B. Development activities in an existing or proposed manufactured home park that are under the authority of the Ohio Department of Health and subject to the flood damage reduction provisions of the Ohio Administrative Code Section 3701.
- C. Major utility facilities permitted by the Ohio Power Siting Board under Section 4906 of the Ohio Revised Code.
- D. Hazardous waste disposal facilities permitted by the Hazardous Waste Siting Board under Section 3734 of the Ohio Revised Code.
- E. Development activities undertaken by a federal agency and which are subject to Federal Executive Order 11988 – Floodplain Management.

Any proposed action exempt from filing for a floodplain development permit is also exempt from the standards of these regulations.

3.10 Map Maintenance Activities

To meet National Flood Insurance Program minimum requirements to have flood data reviewed and approved by FEMA, and to ensure that Licking County's flood maps, studies and other data identified in Section 1.6 accurately represent flooding conditions so appropriate floodplain management criteria are based on current data, the following map maintenance activities are identified:

A. Requirement to Submit New Technical Data

1. For all development proposals that impact floodway delineations or base flood elevations, the community shall ensure that technical data reflecting such changes be submitted to FEMA within six months of the date such information becomes available. These development proposals include:
 - a. Floodway encroachments that increase or decrease base flood elevations or alter floodway boundaries;
 - b. Fill sites to be used for the placement of proposed structures where the applicant desires to remove the site from the special flood hazard area;
 - c. Alteration of watercourses that result in a relocation or elimination of the special flood hazard area, including the placement of culverts; and
 - d. Subdivision or major development proposals requiring the establishment of base flood elevations in accordance with Section 4.3.
2. It is the responsibility of the applicant to have technical data, required in accordance with Section 3.10(A), prepared in a format required for a Conditional Letter of Map Revision or Letter of Map Revision, and submitted to FEMA. Submittal and processing fees for these map revisions shall be the responsibility of the applicant.
3. The Floodplain Administrator shall require a Conditional Letter of Map Revision prior to the issuance of a floodplain development permit for:
 - a. Proposed floodway encroachments that increase the base flood elevation; and
 - b. Proposed development which increases the base flood elevation by more than one foot in areas where FEMA has provided base flood elevations but no floodway.
4. Floodplain development permits issued by the Floodplain Administrator shall be conditioned upon the applicant obtaining a Letter of Map Revision from FEMA for any development proposal subject to Section 3.10(A)(1).

B. Right to Submit New Technical Data

The Floodplain Administrator may request changes to any of the information shown on an effective map that does not impact floodplain or floodway delineations or base flood elevations, such as labeling or planimetric details. Such a submission shall

include appropriate supporting documentation made in writing by the President of County Commissioners of Licking County, and may be submitted at any time.

C. Annexation / Detachment

Upon occurrence, the Floodplain Administrator shall notify FEMA in writing whenever the boundaries of the Licking County have been modified by annexation or the community has assumed authority over an area, or no longer has authority to adopt and enforce floodplain management regulations for a particular area. In order that Licking County's Flood Insurance Rate Map accurately represent the Licking County boundaries, include within such notification a copy of a map of the Licking County suitable for reproduction, clearly showing the new corporate limits or the new area for which the Licking County has assumed or relinquished floodplain management regulatory authority.

3.11 Data Use and Flood Map Interpretation

The following guidelines shall apply to the use and interpretation of maps and other data showing areas of special flood hazard:

- A. In areas where FEMA has not identified special flood hazard areas, or in FEMA identified special flood hazard areas where base flood elevation and floodway data have not been identified, the Floodplain Administrator shall review and reasonably utilize any other flood hazard data available from a federal, state, or other source.
- B. Base flood elevations and floodway boundaries produced on FEMA flood maps and studies shall take precedence over base flood elevations and floodway boundaries by any other source that reflect a reduced floodway width and/or lower base flood elevations. Other sources of data, showing increased base flood elevations and/or larger floodway areas than are shown on FEMA flood maps and studies, shall be reasonably used by the Floodplain Administrator.
- C. When Preliminary Flood Insurance Rate Maps and / or Flood Insurance Study have been provided by FEMA:
 - 1. Upon the issuance of a Letter of Final Determination by the FEMA, the preliminary flood hazard data shall be used and replace all previously existing flood hazard data provided from FEMA for the purposes of administering these regulations.
 - 2. Prior to the issuance of a Letter of Final Determination by FEMA, the use of preliminary flood hazard data shall only be required where no base flood elevations and /or floodway areas exist or where the preliminary base flood elevations or floodway area exceed the base flood elevations and/or floodway widths in existing flood hazard data provided from FEMA. Such preliminary data may be subject to change and / or appeal to FEMA.
- D. The Floodplain Administrator shall make interpretations, where needed, as to the exact location of the flood boundaries and areas of special flood hazard. A person contesting the determination of the location of the boundary shall be given a

reasonable opportunity to appeal the interpretation as provided in Section 5.0, Appeals and Variances.

- E. Where a map boundary showing an area of special flood hazard and field elevations disagree, the base flood elevations or flood protection elevations (as found on an elevation profile, floodway data table, established high water marks, *etc.*) shall prevail.

3.12 Substantial Damage Determinations

Damages to structures may result from a variety of causes including flood, tornado, wind, heavy snow, fire, *etc.* After such a damage event, the Floodplain Administrator shall:

- A. Determine whether damaged structures are located in special flood hazard areas;
- B. Conduct substantial damage determinations for damaged structures located in special flood hazard areas; and
- C. Make reasonable attempt to notify owners of substantially damaged structures of the need to obtain a floodplain development permit prior to repair, rehabilitation, or reconstruction.

Additionally, the Floodplain Administrator may implement other measures to assist with the substantial damage determination and subsequent repair process. These measures include issuing press releases, public service announcements, and other public information materials related to the floodplain development permits and repair of damaged structures; coordinating with other federal, state, and local agencies to assist with substantial damage determinations; providing owners of damaged structures materials and other information related to the proper repair of damaged structures in special flood hazard areas; and assist owners of substantially damaged structures with Increased Cost of Compliance insurance claims.

SECTION 4.0:USE AND DEVELOPMENT STANDARDS FOR FLOOD HAZARD REDUCTION

The following use and development standards apply to development wholly within, partially within, or in contact with any special flood hazard area as established in Section 1.6 or 3.11(A):

4.1 Use Regulations

A. Permitted Uses

All uses not otherwise prohibited in this section or any other applicable land use regulations adopted by Licking County are allowed provided they meet the provisions of these regulations.

B. Prohibited Uses

1. Private water supply systems in all special flood hazard areas identified by FEMA, permitted under Section 3701 of the Ohio Revised Code.
2. Infectious waste treatment facilities in all special flood hazard areas, permitted under Section 3734 of the Ohio Revised Code.

4.2 Water and Wastewater Systems

The following standards apply to all water supply, sanitary sewerage and waste disposal systems not otherwise regulated by the Ohio Revised Code:

- A. All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of floodwaters into the systems;
- B. New and replacement sanitary sewerage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharge from the systems into flood waters; and,
- C. On-site waste disposal systems shall be located to avoid impairment to or contamination from them during flooding.
- D. Individual wastewater treatment systems shall be located to avoid impairment to them or contamination from them during flooding; and,
- E. A concurrent site investigation is required by the Floodplain Administrator and the Licking County Health Department for proper placement of all individual sewage systems.

4.3 Subdivisions and Major Developments

- A. All subdivision proposals shall be consistent with the need to minimize flood damage and are subject to all applicable standards in these regulations;
- B. All subdivision proposals shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage;
- C. All subdivision proposals shall have adequate drainage provided to reduce exposure to flood damage; and

- D. In all areas of special flood hazard where base flood elevation data are not available, the applicant shall provide a hydrologic and hydraulic engineering analysis that generates base flood elevations and delineates floodway limits for all subdivision proposals and other proposed developments containing at least 50 lots or 5 acres, whichever is less. The most restrictive standard and/or definition of subdivision and major development found in these regulations shall prevail.
- E. The applicant shall meet the requirement to submit technical data to FEMA in Section 3.10(A)(1)(d) when a hydrologic and hydraulic analysis is completed that generates base flood elevations as required by Section 4.3(D).
- F. All platted subdivision and major development proposals, including manufactured home subdivisions and/or parks, shall not include any area identified as special flood hazard areas upon a lot within said plat, unless that lot contains more than 2 acres outside of the flood hazard areas exclusive of road right-of-ways or other easements of record. Special flood hazard areas shall be designated as permanent open space unless otherwise specified by Licking County.
- G. For developments occurring adjacent to or near any stream or body of water not identified by the FIRM, including intermittent streams, the developer shall determine the 100-year base flood elevations through a certified engineering analysis. These elevations shall be determined in accordance with FEMA approved certified engineering analysis by a Registered Professional Engineer.
- H. Where base flood elevation data are utilized within areas of special flood hazard the following provisions apply:
 - 1. Special Flood Hazard Areas: The approval of subdivisions and major development that is located in or partially in an area of periodic flooding, or identified as a special flood hazard area shall be limited to the following:
 - a. Approval shall not be given for streets within a subdivision, which would be subject to flooding.
 - b. All street surfaces must be located one or more feet above the flood elevation.
 - 2. Where subdivisions and major developments are proposed to be located, all streams, including intermittent streams identified, will require delineation of special flood hazard areas, and such flood prone areas shall be left undeveloped as open space, recreation areas, etc. No area where natural elevation is shown as flood prone shall be used for building sites, leach fields, well sites, or required yard or lot area. These requirements shall be included in the covenants and deed restrictions on the final plat and individual lot deed. If the special flood hazard area (or floodway) designation is disputed, the developer must demonstrate where the FIRM is inaccurate through an engineering analysis that is accepted by FEMA, according to their flood map amendment procedures. All central sanitary sewer systems and water supply systems must either be located outside the special flood hazard areas, or they must be floodproofed.

3. Additional permits may be required for sanitary and septic systems from the Licking County Health Department, Licking County Water and Wastewater Department, and/or local water and sewer district, and other agencies.
4. Stream, Drainage, Flood Easements, and Stream Bank Buffers – If a stream flows through, or is adjacent to, the proposed subdivisions and/or major developments, the subdivider/developer shall provide for a storm water easement and streambank buffer along the stream(s).
 - a. Access to streams or storm drainage ditches and channels shall be by means of easements. Such easements shall not be less than 30 feet in width, exclusive of the width of the ditch, or channel, or similar type facility.
 - b. For identified special flood hazard areas, the subdivider shall provide that the special flood hazard areas be established on the preliminary plan and the final plat. The subdivider will also incorporate into the deed restrictions and covenants that no permanent or temporary structures (i.e. yard barns, accessory buildings, bridges, etc.) will be constructed within the flood hazard area. Underground facilities, such as tiles and storm sewers shall have easements with a minimum of 20 feet.
 - c. Stream bank buffer areas shall be designated and established on the preliminary plan and the final plat within identified flood hazard areas. The buffer area can be located on lots if the lot provides more than 2 acres of useable ground outside of the buffer. The buffer area shall be maintained in its natural or scenic condition to provide water quality protection and flood buffering, and shall have these conditions incorporated into the deed restrictions and covenants.
 - d. Whenever a storm drainage ditch or channel has a depth of three feet or more, a slope of two foot horizontal to one foot vertical shall be provided.
 - e. Public Access – Floodplain, storm water easements, and streambank buffers established under these regulations shall provide for public access for inspection and enforcement of these regulations, and the regulations adopted by local, state, and federal regulations. The establishment of these easements and buffers does not in itself provide for public maintenance of these facilities.
 - f. Stream bank buffers include:
 - i. A minimum of 100 feet on each side of all streams draining an area of greater than 20 square miles.
 - ii. A minimum of 75 feet on each side of all streams draining an area of greater than .5 square miles (320 acres) and up to 20 square miles.
 - iii. A minimum of 50 feet on each side of all streams draining an area of greater than 0.05 square miles (32 acres) and up to 0.5 square miles (320 acres).
 - iv. A minimum of 30 feet on each side of all streams draining an area of less than .05 square miles (32 acres).

- v. Where the special flood hazard area (base flood area, or 100 year floodplain, or 1% annual chance floodplain) is wider than the stream bank buffer on either or both sides of the stream as prescribed above, stream bank buffer shall be extended to the outer edge of the special flood hazard area (base flood area, or 100 year floodplain, or 1% annual chance floodplain).

4.4 Residential Structures

- A. New construction and substantial improvements shall be anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy. Where a structure, including its foundation members, is elevated on fill to or above the base flood elevation, the requirements for anchoring (4.4(A)) and construction materials resistant to flood damage (4.4(B)) are satisfied.
- B. New construction and substantial improvements shall be constructed with methods and materials resistant to flood damage.
- C. New construction and substantial improvements shall be constructed with electrical, heating, ventilation, plumbing and air conditioning equipment and other service facilities that are designed and/or elevated so as to prevent water from entering or accumulating within the components during conditions of flooding.
- D. New construction and substantial improvement of any residential structure shall have the bottom of the lowest horizontal structural member supporting the floor of a structure or the bottom of the lowest horizontal structural member supporting the floor of the manufactured home placed on a permanent foundation, or top of the lowest floor including basement, elevated to or above the flood protection elevation.
- E. New construction and substantial improvements, including manufactured homes, that do not have basements and that are elevated to the flood protection elevation using pilings, columns, posts, or solid foundation perimeter walls with openings sufficient to allow unimpeded movement of flood waters may have an enclosure below the lowest floor provided the enclosure meets the following standards:
 - 1. Be used only for the parking of vehicles, building access, or storage; and
 - 2. Be designed and certified by a registered professional engineer or architect to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters; or
 - 3. Have a minimum of two openings on different walls having a total net area not less than one square inch for every square foot of enclosed area, and the bottom of all such openings being no higher than one foot above grade. The openings may be equipped with screens, louvers, or other coverings or devices provided that they permit the automatic entry and exit of floodwaters.
- F. Manufactured homes shall be affixed to a permanent foundation and anchored to prevent flotation, collapse or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. Other requirements include:

1. Over-the-top ties be provided at each of the four corners of the manufactured home, with five additional ties per side at intermediate points (for manufactured homes less than 50 feet long only four additional ties per side shall be required);
 2. Frame ties be provided at each corner of the manufactured home with five additional ties per side at intermediate points (for manufactured homes less than 50 feet long only four additional ties per side shall be required); and,
 3. All components of the anchoring system are capable of carrying a force of 4,800 pounds.
 4. Any additions to the manufactured home be similarly anchored or permanently anchored to the ground by foundation.
- G. Repair or rehabilitation of historic structures upon a determination that the proposed repair or rehabilitation will not preclude the structure's continued designation as a historic structure and is the minimum necessary to preserve the historic character and design of the structure, shall be exempt from the development standards of Section 4.4.

4.5 Nonresidential Structures

- A. New construction and substantial improvement of any commercial, industrial or other nonresidential structure shall meet the requirements of Section 4.4 (A) – (C) and (E) – (G).
- B. New construction, major developments, and substantial improvement of any commercial, industrial, or other nonresidential structure shall either have the bottom of the lowest horizontal structural member, the lowest horizontal structural member supporting the floor of a structure, the bottom of the lowest horizontal structural member supporting the floor of the manufactured home placed on a permanent foundation, or top of the lowest floor including basement, elevated to or above the flood protection elevation; or, together with attendant utility and sanitary facilities, shall meet all of the following standards:
1. Be dry floodproofed so that the structure is watertight with walls substantially impermeable to the passage of water to the level of the flood protection elevation;
 2. Have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy; and,
 3. Be certified by a registered professional engineer or architect, through the use of a *Federal Emergency Management Agency Floodproofing Certificate*, that the design and methods of construction are in accordance with Section 4.5(B)(1) and (2).

4.6 Accessory Structures

Relief to the elevation or dry floodproofing standards may be granted for accessory structures containing no more than 600 square feet. Such structures must meet the following standards:

- A. They shall not be used for human habitation;

- B. They shall be constructed of flood resistant materials;
- C. They shall be constructed and placed on the lot to offer the minimum resistance to the flow of floodwaters;
- D. They shall be firmly anchored to prevent flotation;
- E. Service facilities such as electrical and heating equipment shall be elevated or floodproofed to or above the level of the flood protection elevation; and
- F. They shall meet the opening requirements of Section 4.4(E)(3);
- G. They shall be designed to have low flood damage potential;
- H. The applicant should be aware that the exemption of accessory structures may have insurance cost ramifications.

4.7 Recreational Vehicles

Recreational vehicles must meet at least one of the following standards:

- A. They shall not be located on sites in special flood hazard areas for more than 180 days, or
- B. They must be fully licensed and ready for highway use, or
- C. They must meet all standards of Section 4.4.

4.8 Above Ground Gas or Liquid Storage Tanks

All above ground gas or liquid storage tanks shall be anchored to prevent flotation or lateral movement resulting from hydrodynamic and hydrostatic loads.

4.9 Assurance of Flood Carrying Capacity

Pursuant to the purpose and methods of reducing flood damage stated in these regulations, the following additional standards are adopted to assure that the reduction of the flood carrying capacity of watercourses is minimized:

A. Development in Floodways

1. In floodway areas, development shall cause no increase in flood levels during the occurrence of the base flood discharge. Prior to issuance of a floodplain development permit, the applicant must submit a hydrologic and hydraulic analysis, conducted by a registered professional engineer, demonstrating that the proposed development would not result in any increase in the base flood elevation; or
2. Development in floodway areas causing increases in the base flood elevation may be permitted provided all of the following are completed by the applicant:
 - a. Meet the requirements to submit technical data in Section 3.10(A);
 - b. An evaluation of alternatives, which would not result in increased base flood elevations and an explanation why these alternatives are not feasible;
 - c. Certification that no structures are located in areas that would be impacted by the increased base flood elevation;

- d. Documentation of individual legal notices to all impacted property owners within and outside the community, explaining the impact of the proposed action on their property; and
 - e. Concurrence of the President of Licking County Commissioners and the Chief Executive Officer of any other communities impacted by the proposed actions.
3. Prohibit dredging, mining, excavation, or similar activities unless a technical evaluation by a registered professional engineer certifies there will be no increase in erosion, sedimentation, or turbidity upstream or downstream of the site.

B. Development in Riverine Areas with Base Flood Elevations but No Floodways

1. In riverine special flood hazard areas identified by FEMA where base flood elevation data are provided but no floodways have been designated, the cumulative effect of any proposed development, when combined with all other existing and anticipated development, shall not increase the base flood elevation more than 0.01 foot at any point. Prior to issuance of a floodplain development permit, the applicant must submit a hydrologic and hydraulic analysis, conducted by a registered professional engineer, demonstrating that this standard has been met; or,
2. Development in riverine special flood hazard areas identified by FEMA where base flood elevation data are provided but no floodways have been designated causing more than one foot increase in the base flood elevation may be permitted provided all of the following are completed by the applicant:
 - a. An evaluation of alternatives which would result in an increase of one foot or less of the base flood elevation and an explanation why these alternatives are not feasible;
 - b. Section 4.9(A)(2), items (a) and (c)-(e).

C. Alterations of a Watercourse

Watercourses are not to be altered, including enclosed (piped), unless no practicable alternative exists. For the purpose of these regulations, a watercourse is altered when any change occurs within its banks. The extent of the banks shall be established by a field determination of the "bankfull stage." The field determination of "bankfull stage" shall be based on methods presented in Chapter 7 of the *USDA Forest Service General Technical Report RM-245, Stream Channel Reference Sites: An Illustrated Guide to Field Technique* or other applicable publication available from a Federal, State, or other authoritative source. For all proposed developments that alter a watercourse, the following standards apply:

1. The bankfull flood carrying capacity of the altered or relocated portion of the watercourse shall not be diminished. Prior to the issuance of a floodplain development permit, the applicant must submit a description of the extent to which any watercourse will be altered or relocated as a result of the proposed development, and certification by a registered professional engineer that the bankfull flood carrying capacity of the watercourse will not be diminished.

2. Adjacent communities, the U.S. Army Corps of Engineers, and the Ohio Department of Natural Resources, Division of Water, must be notified prior to any alteration or relocation of a watercourse. Evidence of such notification must be submitted to the Federal Emergency Management Agency.
3. The applicant shall be responsible for providing the necessary maintenance for the altered or relocated portion of said watercourse so that the flood carrying capacity will not be diminished. The Floodplain Administrator may require the permit holder to enter into an agreement with Licking County specifying the maintenance responsibilities. If an agreement is required, it shall be made a condition of the floodplain development permit.
4. The applicant shall meet the requirements to submit technical data in Section 3.10(A)(1)(c) when an alteration of a watercourse results in the relocation or elimination of the special flood hazard area, including the placement of culverts.

D. Development in Riverine Areas without Base Flood Elevations or Floodways

Where base flood elevation and floodway boundaries cannot be determined using other sources of data, the applicant shall determine the base flood elevation (and floodway limits if necessary) through hydrologic and hydraulic engineering analysis. Hydrologic and Hydraulic analyses shall be performed only by a Registered Professional Engineer, who shall demonstrate that the technical methods used correctly reflects standard engineering practices, and meets FEMA approved certified engineering analysis requirements. Studies, analyses, computations, etc., shall be submitted in sufficient detail to allow a thorough technical review by the Floodplain Administrator, or other agency/persons deemed appropriate.

4.10 Streambank Buffer Protection Area

The Stream Bank Buffer Area located within the delineated 100-year floodplain areas shall be kept in a natural or scenic condition. Existing bushes, groundcover, shrubs, and trees are not permitted to be removed from the buffer except to maintain the ecological health of the forest, to create access to the watercourse, or for the construction or maintenance of permitted uses such as:

- A. Passive recreational uses such as hiking, biking, horseback riding, hunting, fishing, etc.
- B. The installation of Conservation Best Management Practices that will protect the public health, safety, and welfare along with the environment.
- C. Access for compatible public recreational facilities, such as fishing piers, canoe launches, and all other similar structures, that shall be perpendicular to the streambank buffer.
- D. Storm water outfall, provided such lines are combined where appropriate, construction activity is minimized, and the buffer is restored to its pre-construction state.
- E. Underground utility crossings, provided such crossings are combined where appropriate, construction activity is minimized, and the buffer is restored to its pre-construction state.

- F. Additional stream crossings, provided such crossings are combined where appropriate, construction activity is minimized, and the buffer is restored to its pre-construction state.

4.11 Placement of Fill in the Special Flood Hazard Area

Any fill placed within the floodplain fringe area of the Special Flood Hazard Area shall cause no rise greater than 0.01 feet on the site of the fill or adjacent areas. Fill placed within the Special Flood Hazard Area shall be compacted to current accepted engineering practices and standards to reduce the occurrence of erosion or scouring of the fill material from the fill area. Fill sites upon which structures will be constructed or placed shall be compacted to 95 percent of the maximum density obtainable with the Standard Proctor Test method or an accepted equivalent method as approved by the Licking County.

SECTION 5.0: APPEALS AND VARIANCES

5.1 Appeals Board Established

- A. The Licking County Planning Commission is hereby appointed to serve as the Appeals Board for these regulations as established by ORC Section 713.22.
- B. Records of the Appeals Board shall be kept and filed in the Licking County Planning Commission Office at 20 South Second Street Newark, Ohio.

5.2 Powers and Duties

- A. The Appeals Board shall hear and decide appeals where it is alleged there is an error in any order, requirement, decision or determination made by the Floodplain Administrator in the administration or enforcement of these regulations.
- B. Authorize variances in accordance with Section 5.4 of these regulations.

5.3 Appeals

Any person affected by any notice and order, or other official action of the Floodplain Administrator may request and shall be granted a hearing on the matter before the Appeals Board provided that such person shall file, within [20] days of the date of such notice and order, or other official action, a brief statement of the grounds for such hearing or for the mitigation of any item appearing on any order of the Floodplain Administrator's decision. Such appeal shall be in writing, signed by the applicant, and be filed with the Floodplain Administrator. Upon receipt of the appeal, the Floodplain Administrator shall transmit said notice and all pertinent information on which the Floodplain Administrator's decision was made to the Appeals Board.

Upon receipt of the notice of appeal, the Appeals Board shall fix a reasonable time for the appeal, give notice in writing to parties in interest, and decide the appeal within a reasonable time after it is submitted.

5.4 Variances

Any person believing that the use and development standards of these regulations would result in unnecessary hardship may file an application for a variance. The Appeals Board shall have the power to authorize, in specific cases, such variances from the standards of these regulations, not inconsistent with Federal regulations, as will not be contrary to the public interest where, owing to special conditions of the lot or parcel, a literal enforcement of the provisions of these regulations would result in unnecessary hardship.

A. Application for a Variance

1. Any owner, or agent thereof, of property for which a variance is sought shall make an application for a variance by filing it with the Floodplain Administrator, who upon receipt of the variance shall transmit it to the Appeals Board.
2. Such application at a minimum shall contain the following information: Name, address, and telephone number of the applicant; legal description of the property;

parcel map; description of the existing use; description of the proposed use; location of the floodplain; description of the variance sought; and reason for the variance request.

3. All applications for variance shall be accompanied by a variance application fee set in the schedule of fees adopted by Licking County.

B. Public Hearing

At such hearing the applicant shall present such statements and evidence as the Appeals Board requires. In considering such variance applications, the Appeals Board shall consider and make findings of fact on all evaluations, all relevant factors, standards specified in other sections of these regulations and the following factors:

1. The danger that materials may be swept onto other lands to the injury of others.
2. The danger to life and property due to flooding or erosion damage.
3. The susceptibility of the proposed facility and its contents to flood damage and the effect of such damage on the individual owner.
4. The importance of the services provided by the proposed facility to the community.
5. The availability of alternative locations for the proposed use that are not subject to flooding or erosion damage.
6. The necessity to the facility of a waterfront location, where applicable.
7. The compatibility of the proposed use with existing and anticipated development.
8. The relationship of the proposed use to the comprehensive plan and floodplain management program for that area.
9. The safety of access to the property in times of flood for ordinary and emergency vehicles.
10. The expected heights, velocity, duration, rate of rise, and sediment transport of the floodwaters and the effects of wave action, if applicable, expected at the site.
11. The costs of providing governmental services during and after flood conditions, including maintenance and repair of public utilities and facilities such as sewer, gas, electrical, and water systems, and streets and bridges.

C. Variances shall only be issued upon:

1. A showing of good and sufficient cause.
2. A determination that failure to grant the variance would result in exceptional hardship due to the physical characteristics of the property. Increased cost or inconvenience of meeting the requirements of these regulations does not constitute an exceptional hardship to the applicant.
3. A determination that the granting of a variance will not result in increased flood heights beyond that which is allowed in these regulations; additional threats to public safety; extraordinary public expense, nuisances, fraud on or victimization of the public, or conflict with existing local laws.
4. A determination that the structure or other development is protected by methods to minimize flood damages.
5. A determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.

Upon consideration of the above factors and the purposes of these regulations, the Appeals Board may attach such conditions to the granting of variances, as it deems necessary to further the purposes of these regulations.

D. Other Conditions for Variances

1. Variances shall not be issued within any designated floodway if any increase in flood levels during the base flood discharge would result.
2. Generally, variances may be issued for new construction and substantial improvements to be erected on a lot of one-half acre or less in size contiguous to and surrounded by lots with existing structures constructed below the base flood level, providing items in Section 5.4(B)(1) to (11) have been fully considered. As the lot size increases beyond one-half acre, the technical justification required for issuing the variance increases.
3. Any applicant to whom a variance is granted shall be given written notice that the structure will be permitted to be built with a lowest floor elevation below the base flood elevation and the cost of flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation.

5.5 Procedure at Hearings

1. All testimony shall be given under oath.
2. A complete record of the proceedings shall be kept, except confidential deliberations of the Board, but including all documents presented and a verbatim record of the testimony of all witnesses.
3. The applicant shall proceed first to present evidence and testimony in support of the appeal or variance.
4. The administrator may present evidence or testimony in opposition to the appeal or variance.
5. All witnesses shall be subject to cross-examination by the adverse party or their counsel.
6. Evidence that is not admitted may be proffered and shall become part of the record for appeal.
7. The Board shall issue subpoenas upon written request for the attendance of witnesses. A reasonable deposit to cover the cost of issuance and service shall be collected in advance.
8. The Board shall prepare conclusions of fact supporting its decision. The decision may be announced at the conclusion of the hearing and thereafter issued in writing or the decision may be issued in writing within a reasonable time after the hearing.

5.6 Appeal to the Court

Those aggrieved by the decision of the Appeals Board may appeal such decision to the Licking County Court of Common Pleas, as provided in Chapter 2506 of the Ohio Revised Code.

SECTION 6.0: ENFORCEMENT

6.1 Compliance Required

- A. No structure or land shall hereafter be located, erected, constructed, reconstructed, repaired, extended, converted, enlarged or altered without full compliance with the terms of these regulations and all other applicable regulations which apply to uses within the jurisdiction of these regulations, unless specifically exempted from filing for a development permit as stated in Section 3.9.
- B. Failure to obtain a floodplain development permit shall be a violation of these regulations and shall be punishable in accordance with Section 6.3.
- C. Floodplain development permits issued on the basis of plans and applications approved by the Floodplain Administrator authorize only the use, and arrangement, set forth in such approved plans and applications or amendments thereto. Use, arrangement, or construction contrary to that authorized shall be deemed a violation of these regulations and punishable in accordance with Section 6.3.

6.2 Notice of Violation

Whenever the Floodplain Administrator determines that there has been a violation of any provision of these regulations, he shall give notice of such violation to the person responsible therefore and order compliance with these regulations as hereinafter provided. Such notice and order shall:

- A. Be put in writing on an appropriate form;
- B. Include a list of violations, referring to the section or sections of these regulations that have been violated, and order remedial action, which, if taken, will effect compliance with the provisions of these regulations;
- C. Specify a reasonable time for performance;
- D. Advise the owner, operator, or occupant of the right to appeal;
- E. Be served on the owner, occupant, or agent in person. However, this notice and order shall be deemed to be properly served upon the owner, occupant, or agent if a copy thereof is sent by registered or certified mail to the person's last known mailing address, residence, or place of business, and/or a copy is posted in a conspicuous place in or on the dwelling affected.

6.3 Violations and Penalties

Violation of the provisions of these regulations, or failure to comply with any of its requirements or lawful orders issued pursuant thereto, shall be deemed to be a strict liability offense. Any person who violates these regulations, or fails to comply with any of its requirements or lawful orders issued pursuant thereto, shall, upon conviction thereof, be fined not more than \$300.00 and, in addition, shall pay all costs and expenses involved in the case as provided by the laws of Licking County. Each day such violation continues shall be considered a separate offense. Nothing herein contained shall prevent Licking County from taking such other lawful action as is necessary to prevent or remedy any violation. Licking County shall prosecute any violation of these regulations in accordance with the penalties stated herein.

SECTION 7.0: ADOPTION

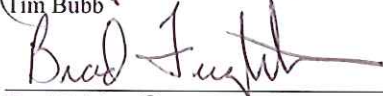
This Resolution shall take effect on the thirty-first day following the date of its adoption. Resolution 53-177 adopted on December 26, 2006 and Resolution 53-210 Adopted January 2, 2007 is hereby repealed to the extent necessary to give this resolution full force and effect.

Adopted by the Board of County Commissioners on this 12 day of July, 2012

Roll Call Vote:



Tim Bubb



Brad Feightner



Doug Smith

Attest:



Bev Adzic

The Effective Date is August 12, 2012


CERTIFICATION OF PUBLIC NOTICES

In accordance with the Ohio Revised Code, Section 307.37 and 307.39, public hearings were held on the June 19, 2012 and July 10, 2012 at regular meetings of the Board of County Commissioners. Notice of these hearings was published on in the Newark Advocate on May 29, 2012 and June 21, 2012. A notice of adoption and availability was published within ten days after adoption in the Newark Advocate on July 16, 2012

CERTIFIED BY:


Jim Bubba, President-Licking County Commissioners

DATE:


7/17/12

CERTIFIED COPY DISTRIBUTION LIST:

U.S. Department of Homeland Security
Federal Emergency Management Agency, Region V
536 South Clark St., 6th Floor
Chicago, IL 60605
(312) 408-5500

Ohio Department of Natural Resources
Division of Soil and Water Resources
Floodplain Management Unit
2045 Morse Rd, B3
Columbus, OH 43229
(614) 265-6610

US Army Corp of Engineers
502 Eighth Street
Huntington, WV 25701 - 2070
(304) 399 - 5211

Licking County Health Department
675 Price Road
Newark, Ohio 43055
(740) 349-6535

Licking County Building Codes Department
675 Price Road
Newark, Ohio 43055
(740) 349-6671

RESOLUTION

IN THE MATTER OF ADOPTING UPDATED FLOOD DAMAGE PREVENTION
REGULATIONS (FDPR) FOR LICKING COUNTY

Whereas: The Commissioners' appointed the director or designee of the LCPC to administer and implement the floodplain regulations (Flood Damage Prevention Regulations for Licking County, Ohio) adopted pursuant to Ohio Revised Code Section 307.37; and,

Whereas: ODNR Floodplain Management Division is requesting our current Flood Damage Prevention Regulations (FDPR) as adopted by Resolution #53-177 and amended by Resolution #53-210 be brought in-line with the current state flood plain model regulations; and,

Whereas: The proposed FDPR will meet the requirements of the National Flood Insurance Program (NFIP), and also allow for continued participation in the Community Rating System (CRS) of the NFIP, which provides discounts on flood insurance premiums for property owners; and,

Whereas: All resolutions or parts of resolutions in conflict with this resolution, or consistent with provisions of this resolution, are hereby repealed to the extent necessary to give this resolution full force and effect. This resolution shall become effective from and after the date of its approval and adoption, as provided by law; NOW, THEREFORE,

BE IT RESOLVED by the Board of County Commissioners, County of Licking, State of Ohio:

That we do hereby adopt the updated Flood Damage Prevention Regulations, which are included as part of this resolution, effective August 12, 2012.

Motion by **FEIGHTNER** seconded by **SMITH**
 that the resolution be adopted was carried by the following vote:
 YEAS: Timothy E. Bubbs * Brad Feightner * Doug Smith
 NAYS: _____ *

CC: Michael L. Smith, Auditor
 Jerry Newton, Planning Director
 Jarrod Hittle, LCPDD

FILE
 Warren Weber, Development Director

Adopted: July 12, 2012

Timothy E. Bubbs
 Brad Feightner
 Doug Smith

Beverly Adzic
 Beverly Adzic, Clerk/Administrator